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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	**10/522,879**
Filing Date	**September 30, 2005**
First Named Inventor	**Lyubov RYABOVA, et al.**
Art Unit	**1652**
Examiner Name	**Rebecca E. Prouty**
Sheet	**1 of 2**
Attorney Docket Number	**58763.000029**

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION YES	TRANSLATION NO
	1.	O'Callaghan, et al., "Novel Method for Detection of β-Lactamases by Using a Chromogenic Cephalosporin Substrate", Antimicrobial Agents and Chemotherapy, Vol. 1, No. 4, pg. 283-288, April 1972.	☐	☐
	2.	Roberts and Paterson, "Efficient Translation of Tobacco Mosiac Virus RNA and Rabbit Globin 9S RNA in a Cell-Free System from Commercial Wheat Germ", Proc. Nat. Acad. Sci. USA, Vol. 70, No. 8, pg. 2330-2334, August 1973.	☐	☐
	3.	Zubay, "In vitro Synthesis of Protein in Microbial Systems", Annu. Rev. Genet., Vol. 7, pg. 267-287, 1973.	☐	☐
	4.	Pelham and Jackson, "An Efficient mRNA-Dependent Translation System from Reticulocyte Lysates", Eur. J. Biochem., Vol. 67, pg. 247-256, 1976.	☐	☐
	5.	Chambliss, et al., "Bacterial *in Vitro* Protein-Synthesizing Systems", Methods in Enzymology, Vol. 101, pg. 598-605, 1983.	☐	☐
	6.	Nyren and Lundin, "Enzymatic for Continuous Monitoring of Inorganic Pyrophosphate Synthesis", Analytical Biochemistry, Vol. 151, pg. 504-509, 1985.	☐	☐
	7.	Spirin, et al., "A continuous Cell-Free Translation System Capable of Producing Polypeptides in High Yield", Science, Vol. 242, pg. 1162-1164, 1988.	☐	☐
	8.	Nakano, et al., "An Increased Rate of Cell-Free Protein Synthesis by Condensing Wheat-germ Extract with Ultrafiltration Membranes", Biosci. Biotech. Biochem., Vol. 58, No. 4, pg. 631-634, 1994.	☐	☐
	9.	Kawarasaki, et al., "A Long-Lied Batch Reaction System of Cell-Free Protein Synthesis", Analytical Biochemistry, Vol. 226, pg. 320-324, 1995.	☐	☐
	10.	Ryabova, et al., "Acetyl phosphate as an Energy Source for Bacterial Cell-Free Translation Systems", Analytical Biochemistry, Vol. 226, pg. 184-186, 1995.	☐	☐
	11.	Kim and Choi, "A Semicontinuous Prokaryotic Coupled Transcription/Translation System Using a Dialysis Membrane", Biotechnol. Prog., Vol. 12, pg. 645-649, 1996.	☐	☐

EXAMINER SIGNATURE	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(use as many sheets as necessary)		First Named Inventor	Lyubov RYABOVA, et al.
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		Examiner Name	Rebecca E. Prouty
Sheet	2 of 2	Attorney Docket Number	58763.000029

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	12.	Kim, et al., "A highly efficient cell-free protein synthesis system from *Escherichia coli*", Eur. J. Biochem., Vol. 239, pg. 881-886, 1996	☐	☐
	13.	Yao, et al., "Biochemical Energy Consumption by Wheat Germ Extract during Cell-Free Protein Synthesis", Journal of Fermentation and Bioengineering, Vol. 84, No.1, pg. 7-13, 1997.	☐	☐
	14.	Patnaik and Swartz, "*E. coli*-Based In Vitro Transcription/Translation: In Vivo-Specific Synthesis Rates and High Yields in a Batch System", BioTechniques, Vol. 24, No.5, pg. 862-868, May 1998.	☐	☐
	15.	Karamohamed, et al., "Production, Purification, and Luminometric Analysis of Recombinant *Saccharomyces cerevisiae MET3* Adenosine Triphosphate Sulfurylase Expressed in *Escherichia coli*", Protein Expression and Purification, Vol. 15, pg. 381-388, 1999.	☐	☐
	16.	Kigawa, et al., "Cell-free production and stable-isotope labeling of milligram quantities of proteins", FEBS Letters, Vol. 442, pg. 15-19, 1999.	☐	☐
	17.	Kim, et al., "Prolonging Cell-Free Protein Synthesis with a Novel ATP Regeneration System", Biotechnology and Bioengineering, vol. 66, No. 3, pg. 180-188, 1999.	☐	☐
	18.	Kim and Swartz, "Prolonging Cell-Free protein Synthesis by Selective Reagent Additions", Biotechnol. Prog. Vol. 16, pg. 385-390, 2000.	☐	☐
	19.	Kim and Choi, "Expression-independent consumption of substrates in cell-free expression system from *Escherichia coli*, Journal of Biotechnology, Vol. 84, pg. 27-32, 2000.	☐	☐
	20.	Madin, et al., "A Highly efficient and robust cell-free protein synthesis system prepared from wheat embryos: Plants apparently contain a suicide system directed at ribosomes", PNAS, Vol. 97, No. 2, pg. 559-564, January 18, 2000.	☐	☐
	21.	Shimizu, et al., "Cell-free Translation reconstituted with purified components", Nature Biotechnology, Vol. 19, pg. 751-755, August 2001.	☐	☐
			☐	☐

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